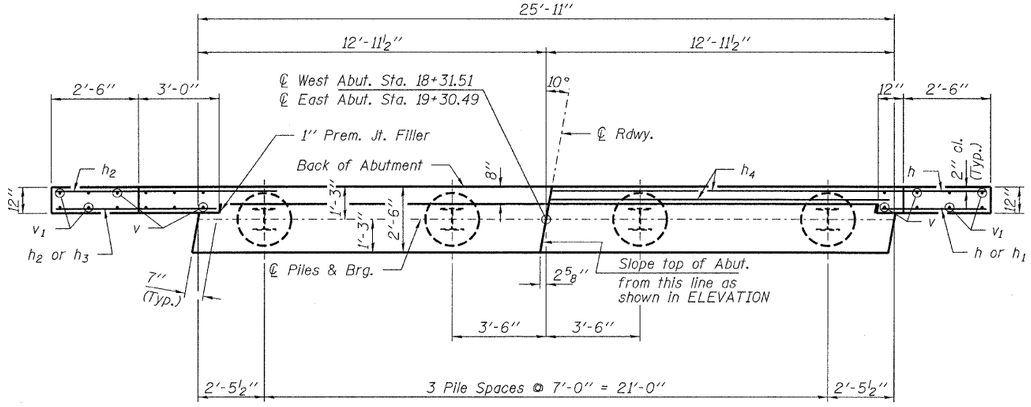
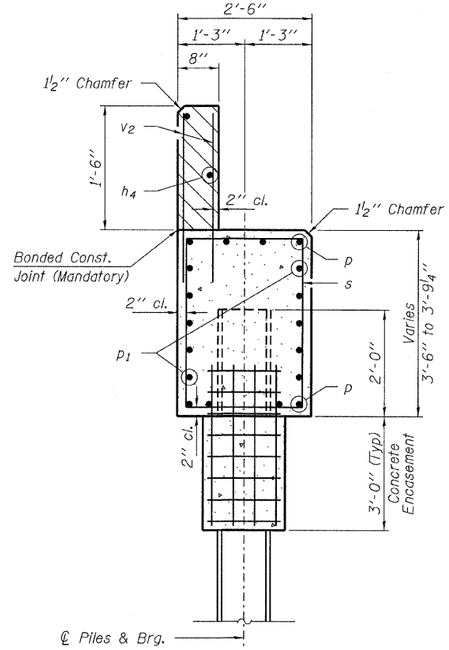
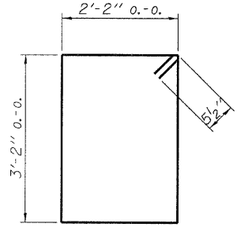


PLAN

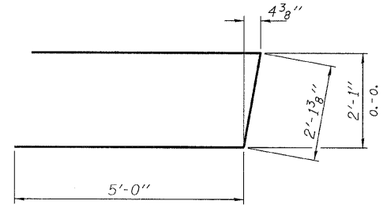


SECTION A-A

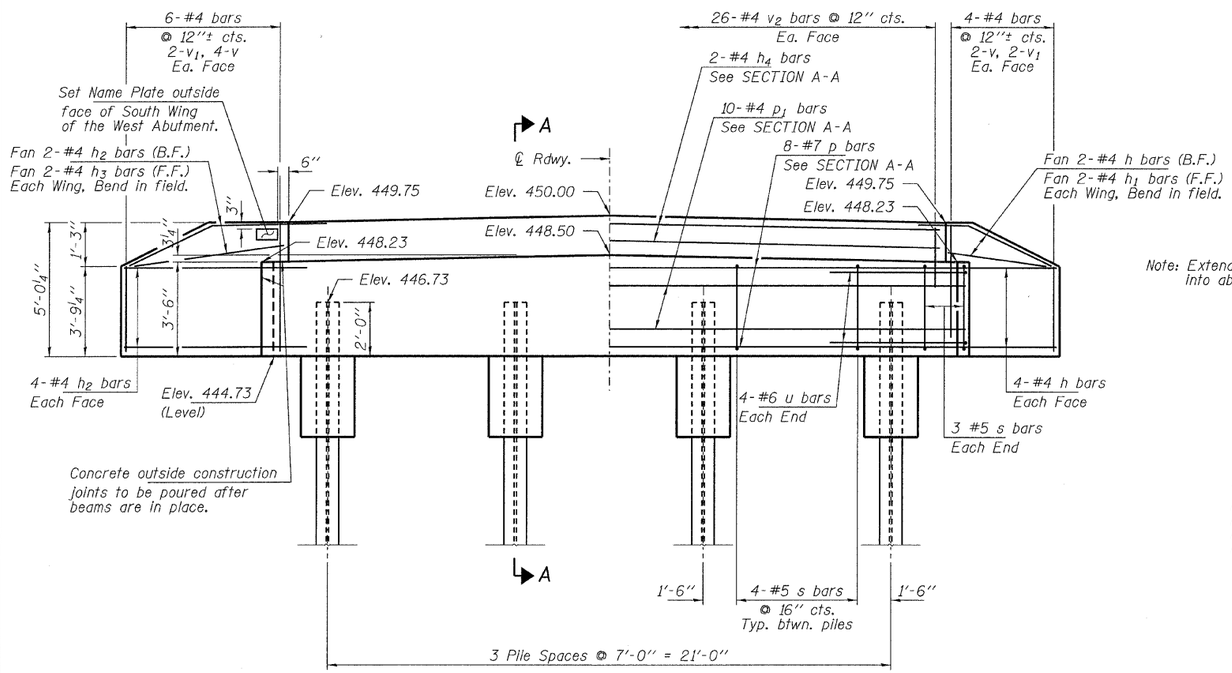
Hatched area to be poured after beams are in place.



BAR s



BAR u



ELEVATION

Note: Extend h & h_2 bars into abutment cap.

PILE DATA

Type _____ Steel HP10x42
No. Req'd. (2 Abuts.) _____ 8
Factored Resistance Available (Rf) _____ 184 Kips/Pile
Nominal Required Bearing (Rn) _____ 335 Kips/Pile
Est. Length _____ 20 Ft/Pile

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	20	#4	4'-9"	——
h_1	4	#4	3'-3"	——
h_2	20	#4	6'-9"	——
h_3	4	#4	5'-3"	——
h_4	4	#4	25'-7"	——
p	16	#7	25'-7"	——
p_1	20	#4	25'-7"	——
s	36	#5	11'-7"	□
u	16	#6	12'-2"	▭
v	24	#4	4'-6"	——
v_1	16	#4	3'-6"	——
v_2	104	#4	2'-4"	——
Concrete Structures			Cu. Yd.	22.0
Concrete Encasement			Cu. Yd.	2.8
Reinforcement Bars			Pound	2,340
Steel Piles HP10x42			Foot	160
Name Plates			Each	1

FILE NAME = 110266-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3095 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 2/20/2012	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

ABUTMENTS
STRUCTURE NO. 041-3748
SHEET NO. 9 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
91	09-06122-00-BR	JEFFERSON	37	34
FARRINGTON ROAD DISTRICT		CONTRACT NO. 99471		
		ILLINOIS	FED. AID PROJECT BROS-0081(063)	